

REMARKS

By this Amendment, claims 7, 20, 28 and 31 have been amended to merely clarify the recited subject matter in accordance with matters discussed during the personal interview graciously conducted by the Examiner with Applicant's representative on August 23, 2005. Based on the matters discussed during that interview, and a subsequent telephone interview regarding follow up from that August 23 interview, Applicant is formally submitting the arguments presented for consideration by the Examiner and reconsideration of the pending claims.

Claims 20, 22, 25-26 and 28 were rejected under 35 U.S.C. 102(e) based on Tiedemann et al. (U.S. 6,381,454; hereafter "Tiedemann"). Claims 2 and 7 were rejected under 35 U.S.C. 103(a) based on Tiedemann, Sawyer et al. (U.S. 5,920,814; hereafter "Sawyer"), Onoe et al. (U.S. 5,361,396; hereafter "Onoe") and Monrad et al. (U.S. 6,208,628; hereafter "Monrad"). Claim 21 was rejected under 35 U.S.C. 103(a) based on Tiedemann and Huttunen et al. (U.S. 6,356,761; hereafter "Huttunen"). Claim 27 was rejected under 35 U.S.C. 103(a) based on Tiedemann and Mademann (U.S. 6,081,723). Claims 29-31 were rejected under 35 U.S.C. 103(a) based on Wallentin (U.S. Pub. 2002/0086685; hereafter "Wallentin") and Tiedemann.

As discussed during the personal interview, Applicant traverses the rejections because the cited prior art, analyzed individually or in combination, fail to disclose, teach or suggest the claimed subject matter.

For example, the cited prior art fail to disclose, teach or suggest the claimed method comprising "using a network element having an identifier of its own to allocate a temporary identity to the at least one mobile station, wherein the temporary identity **includes at least part of an identifier indicating the network element**, wherein each of the at least one mobile stations is located within one of a plurality of paging areas of the cellular network, **and wherein the temporary identity of the at least one mobile station also includes a paging identity which is unique to each of the at least one mobile stations, . . . wherein only the paging identity is used for paging the mobile station**, and the method further comprises **using the temporary identity for signaling**," as recited in independent claim 7. Similarly, the cited prior art fails to disclose teach or suggest the claimed cellular network comprising "at least one network element configured to allocate a temporary identity to at least one mobile station, **wherein the temporary identity includes at least a part of an identifier indicating the network element that allocates the temporary identity**; and a

database element configured to: receive an inquiry including **the at least part of the identifier of the network element that allocates the temporary identity and a paging area identifier**; and determine, based on the inquiry, an address of the network element which allocated the temporary identity,” as recited in independent claim 20. The cited prior art fails to disclose, teach or suggest the claimed mobile station for a cellular network, “wherein the mobile station is configured to use a temporary identity allocated by a network element, **the temporary identity including at least a part of an identifier of a network element that allocates the temporary identity**, and wherein the mobile station is configured to use **a part of the identifier of the network element that allocates the temporary identity for data transfer**, and to use **the temporary identity for signaling**,” as recited in independent claim 25.

Further, the cited prior art fails to disclose, teach or suggest the claimed mobile station for a cellular network, wherein the mobile station is configured to use a temporary identity allocated by a network element, **the temporary identity including at least a part of an identifier of a network element that allocates the temporary identity**, and wherein **the temporary identity includes 3 to 5 bits of the identifier of the network element that allocates the temporary identity**,” as recited in independent claim 26. Similarly, the cited prior art fails to disclose, teach or suggest the claimed network element for a cellular network configured to “allocate a temporary identity to at least one mobile station, wherein **the temporary identity includes at least a part of an identifier indicating the network element that allocates the temporary identity**, and wherein **the temporary identity includes 3 to 5 bits of the identifier of the network element**,” as recited in independent claim 28. Finally, the cited prior art fails to disclose, teach or suggest the claimed radio station controller that routes data packets including a temporary identity allocated to a mobile station “wherein **the temporary identity includes at least part of an identifier indicating a network element which allocated the temporary identity**; and wherein . . . the radio station controller is configured to use **at least part of the temporary identifier to route data packets** to the network element when the network element is serving the mobile station, and wherein the temporary identity **comprises 3 to 5 bits of the identifier of the network element**,” as recited in independent claim 31.

As explained during the personal interview, Tiedemann fails to disclose any mobile station temporary identity including at least part of an identifier indicating a network element which allocated the temporary identity, as recited in independent claims 7, 20, 25, 26, 28 and

31 and their respective dependent claims. Rather, Tiedemann merely discloses use of a Temporary Reference Number (TRN) which merely identifies the MSC which assigned the TRN. Specifically, Tiedemann teaches “[a] Temporary Reference Number (TRN) identifying the MSC and the mobile station is allocated for the mobile station at the mobile switching center. The TRN can be a mobile station identification (MSID), a telephone directory number or any other number.”

Although , Tiedemann does teach that the TRN “identifies” the MSC, Tiedemann fails to disclose, teach or suggest that this identification is performed by incorporating at least part of an identifier indicating the MSC in the TRN. In fact, Tiedemann teaches away from such a solution by teaching that the TRN can be “any number” including an MS identification (MSID). However, because a cellular network comprises a large number of network elements allocating temporary identities, it is simply impossible that each MSID includes at least part of an identifier indicating each network element used to allocate a temporary identity to mobile stations. Thus, although Tiedemann discloses that “the Temporary Reference Number (TRN) identifies the MSC,” Tiedemann fails to say how the TRN identifies the MSC.

Furthermore, as explained during the personal interview, Tiedemann fails to disclose, teach or suggest that the temporary identity comprises 3 to 5 bits of the identifier of the network element, as recited in independent claims 26, 28 and 31.

Additionally, as discussed during the personal interview, Tiedemann clearly fails to disclose, teach or suggest using only the paging identity for paging the mobile station, and using both the paging identity and the at least part of the identifier indicating the network element for signaling, as recited in independent claims 7 and 25.

As explained during the personal interview, the remaining references fail to remedy these deficiencies of Tiedemann in that no cited reference teaches or suggests assigning or utilizing a mobile station temporary identity including at least part of an identifier indicating a network element which allocated the temporary identity, particular a temporary identity that comprises 3 to 5 bits of the identifier of the network element. Moreover, no cited prior art reference teaches or suggests using only a paging identity included in the temporary identity for paging the mobile station, and using both the paging identity and the at least part of the identifier indicating the network element for signaling. Thus, all pending claims are allowable over the cited prior art.

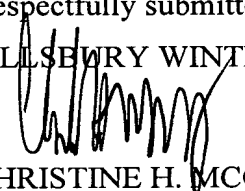
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All rejections and objections having been addressed, Applicant submits that the application is in condition for allowance. However, if anything is necessary to place the application in condition for allowance, Applicant requests that the Examiner telephone the undersigned Applicant representative at the number listed below.

Please charge any fees associated with the submission of this paper to Deposit Account Number 033975. The Commissioner for Patents is also authorized to credit any over payments to the above-referenced Deposit Account.

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP



CHRISTINE H. MCCARTHY

Reg. No. 41844

Tel. No. 703 905.2143

Fax No. 703 905.2500

Date: September 19, 2005
P.O. Box 10500
McLean, VA 22102
(703) 905-2000